AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A shiftable planetary transmission comprising:

~~with~~ a displaceable coupling element; ~~(15), by means of which the planetary transmission is shiftable,~~

a shift fork engageable with said coupling element; and

an actuator including a motor and a cam driven by said motor via a shaft,

~~wherein the~~ said coupling element ~~being~~is displaceable by ~~means of a~~ said shift fork ~~(20)~~ being moved by ~~an~~ said actuator, ~~and the actuator comprises a motor (27) and a cam driven by it via a shaft (26), and~~

wherein ~~the~~said shift fork includes an element that engages a groove of the cam, ~~characterized in that,~~;

said~~the cam (23; 123) includes a~~ groove ~~(30; 130, 130') of~~ of said cam is V-shaped in cross-section, said V-shaped groove having ~~with~~ inclined side walls; ~~(36, 37),~~ and

~~in that the~~ said element ~~(32; 132, 132') of~~the said shift fork ~~(20)~~ is pressed into said ~~the~~ groove ~~(30; 130, 130')~~ by a spring ~~(35)~~.

2. (Currently Amended) The~~A~~ planetary transmission of~~in~~ ~~accordance with~~ claim 1, ~~characterized in that the~~ wherein said cam ~~(23, 123)~~ is a

substantially~~essentially a~~ cylindrical cam roller with at least one of said groove ~~(30; 130, 130')~~ being disposed on ~~its~~ a surface thereof.

3. (Currently Amended) The~~A~~ planetary transmission of~~in accordance with~~ claim 2, wherein said~~characterized in that the~~ side walls ~~(36, 37)~~ of ~~the~~ said V-shaped groove ~~(30; 130, 130') that is V-shaped in cross-section~~ are inclined at angles ~~(40, 41),~~ which are different from one another relative to ~~the~~ an axis of said cam~~(42)~~.

4. (Currently Amended) The~~A~~ planetary transmission of~~in accordance with~~ claim 2, wherein~~characterized in that two grooves are on the~~ said cam roller includes a pair of said V-shaped grooves~~(123)~~, and ~~in that an element (130, 130') of~~ said~~the~~ shift fork ~~(20)~~ includes a pair of elements that engages in each of said~~the two~~ V-shaped grooves ~~(130, 130')~~.

5. (Currently Amended) The~~A~~ planetary transmission of~~in accordance with~~ claim 2, wherein~~characterized in that the~~ said shift fork ~~(20)~~ has a tubular base ~~(22)~~ that surrounds said~~the~~ cam roller ~~(23)~~, and said ~~the~~ cam roller ~~(23)~~ and said~~the~~ base ~~(22)~~ together form a linear guide of said~~the~~ shift fork.

6. (Currently Amended) The~~A~~ planetary transmission of~~in accordance with~~ claim 4, wherein said V-shaped~~characterized in that the~~ grooves ~~(130, 130')~~ are phase shifted about a center angle of 180° relative to an axis of said

cam roller, and ~~their cooperating~~ said elements ~~(130, 130')~~ are positioned opposite to one another.

7. (Currently Amended) The~~A~~ planetary transmission of~~in~~ ~~accordance with~~ claim 4, wherein each~~characterized in that the~~ element ~~(30; 130, 130')~~ of said~~the~~ shift fork ~~(20)~~ is received within a cage ~~(33)~~ retaining said~~the~~ spring ~~(35)~~, said cage being~~which is~~ mounted to a through hole of a~~the~~ tubular base of said shift fork ~~(22)~~.

8. (Currently Amended) The~~A~~ planetary transmission of~~in~~ ~~accordance with~~ claim 1, wherein said~~characterized in that the~~ element ~~(30; 130, 130')~~ of said~~the~~ shift fork ~~(20)~~ is a rotatably supported ball.

9. (New) A transmission comprising:

a carrier having a plurality of gears and a plurality of clutch teeth;

a ring gear engageable with said clutch teeth;

a shift fork including a base, said shift fork being engageable with said ring gear; and

a cam roller including at least one V-shaped groove connected to said shift fork, said base of said shift fork surrounding said V-shaped groove of said cam roller;

wherein an element is disposed between said V-shaped groove of said cam roller and said base of said shift fork such that rotation of said cam roller translates into displacement of said shift fork and said ring gear.

10. (New) The transmission of claim 9, wherein said V-shaped groove is helical.

11. (New) The transmission of claim 9, further comprising a spring that presses said element into said V-shaped groove.

12. (New) The transmission of claim 9, wherein said V-shaped grooves includes a pair of sidewalls and an angle of each sidewall relative to an axis of said cam roller is different.

13. (New) The transmission of claim 9, wherein said cam roller further comprises another V-shaped groove and another element is disposed between said cam roller and said base in said another V-shaped groove, each V-shaped groove and corresponding element being disposed on opposite sides of said cam roller.

14. (New) The transmission of claim 9, wherein said element is a ball-shaped member.